



Department of Energy

**Ohio Field Office
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NOV 14 2000

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0115-01

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OCTOBER 1, 2000,
THROUGH OCTOBER 31, 2000**

This letter transmits the amended Consent Agreement Monthly Report for the period October 1, 2000, through October 31, 2000. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosure

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosure:

N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
T. Hagen, Fluor Fernald, Inc./65-2
M. Jewett, Fluor Fernald, Inc./52-2
T. Walsh, Fluor Fernald, Inc./65-2
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./2
J. Harmon, Fluor Fernald, Inc./90
S. Hinnefeld, Fluor Fernald, Inc./31
B. Irvine, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

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CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT OCTOBER 1, 2000 THROUGH OCTOBER 31,
2000

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from October 1, 2000 through October 31, 2000. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT OCTOBER 1, 2000 THROUGH OCTOBER 31, 2000

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

October 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Loaded 1,383 tons of material from waste pits

November 2000 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Load 5,362 tons of material from waste pits
 - Ship 63 railcars (6,745 tons) of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND EXCAVATION PROJECT

Additional OU2 soils-related activities reported under OU5/Soils Characterization and Excavation Project

October 2000

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Completed construction of the Bulk Debris Material Transfer Expansion Area, Laydown Area, and Access Road Project
 - Began operation of the Bulk Debris Transfer Expansion Area
 - Completed screening and grading of the East Field Borrow Area
 - Submitted August-September 2000 Monthly Report for Impacted Material Placement in the On-Site Disposal Facility to DOE on October 24, 2000

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2000**

- Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase I - Wetland Project
 - Began replacement planting the week of October 30, 2000
 - Area 2, Phase I
 - Submitted draft Stockpile 3 Certification Design letter and Project Specific Plan to DOE on October 18, 2000; received OEPA approval on October 20, 2000
 - Submitted completed Active Flyash Pile Certification Design Letter and Project Specific Plan with precertification data to DOE on October 16, 2000
 - Completed excavation of the Carolina Area
 - Completed the removal of retention basin 3 liner and riser pipe
 - Completed the construction of retention basin 4 and of the above-ground transfer line
 - Area 8, Phase II
 - Continue Fall planting (to complete restoration)
 - Area 9, Phase I
 - Received OEPA approval of schedule extension request for Strategy Letter submittal; extended to November 28, 2000
 - Area 9, Phase II
 - Received OEPA approval of Certification Extension Request on October 13; extended to November 22, 2000
 - Other Areas/Programs
 - Submitted the North Pine Plantation Conceptual Design to DOE on October 5, 2000
 - Submitted Draft Nal Insitu Gamma Spectroscopy Systems Calibration Report to DOE on October 17, 2000

November 2000 (Anticipated)

- Enforceable Milestones
 - Submit Area 9, Phase II Precertification Project Specific Plan to Agencies by November 22, 2000
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operate Bulk Debris Material Transfer Area expansion
 - Soil Characterization and Excavation Project (SCEP)
 - Area 2 Phase I
 - Begin certification sampling of the Active Flyash Pile footprint
 - Begin certification sampling of Stockpile 3 footprint

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- 3A/4A
 - Issue Certified for Construction package to DOE during November 2000
- Area 9, Phase I
 - Submit Strategy Letter to DOE for transmittal to OEPA by November 28, 2000

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

October 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Continued building release cleaning - Asbestos- Containing Material (ACM) abatement and equipment removal, and interior demolition in the areas of Plant 5A and Plant 6A
 - Continued demobilization and area restoration in area of Buildings 28A and B
 - Directed D&D planning activities and supported field activities

November 2000 (Anticipated)

- Enforceable Milestones
 - Complete D&D field activities for Buildings 28, 28A, 28B and 28N by November 15, 2000
- Major Work to be Initiated/Continued/Completed
 - Continue building release cleaning and exterior transite removal in Plant 5 area
 - Continue ACM removal and interior demolition in Plant 6 area
 - Complete area restoration in area of Buildings 28A and B
 - Direct D&D planning activities and support field activities

OPERABLE UNIT 4 - SILOS PROJECT

October 2000

- Enforceable Milestones
 - None

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2000**

- Major Work Initiated/Continued/Completed
 - Presented Topic-of-the-Month status briefing on Silos projects activities at the October 10, 2000, Cleanup Progress Briefing
 - Met with the Agencies to discuss proposed responses to comments on the draft Accelerated Waste Retrieval (AWR) Project Remedial Design (RD) package; initiated preparation of RD package document revisions to incorporate the comment responses
 - Received comments on the revised RD package for the Silo 3 Project from OEPA
 - Initiated installation of the Transfer Tank Area (TTA) tank foundations
 - Completed the concrete pour for the Interim Storage Area (ISA) Pad and initiated pre-loading of the gantry foundations

November 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Submit revised AWR Project RD Package to the Agencies for review and approval
 - Submit responses to the Agencies comments on the Silo 3 Project Remedial Design Package (USEPA comments receive September 27, 2000, OEPA comments received in October)
 - Complete installation of the TTA tank foundations

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

October 2000

- Enforceable Milestones
 - Submitted Monthly NPDES Discharge Monitoring Report to the OEPA on October 19, 2000
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Submitted the July 2000 Operation Report for the Re-Injection Demonstration on October 6, 2000 to DOE for transmittal to the Agencies. DOE transmitted to the Agencies on October 17, 2000
 - Submitted the August 2000 Operation Report for the Re-Injection Demonstration on October 17, 2000 to DOE for transmittal to the Agencies. DOE transmitted to the Agencies on October 19, 2000

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- Submitted the response to the Ohio EPA Comments on the Monthly Re-Injection Operating Reports for February, March, and April 2000 to DOE on October 6. DOE transmitted to the Agencies on October 16
- Submitted the responses to OEPA comments on the Re-Injection Demonstration Test Report for the Aquifer Restoration and Wastewater project on October 11, 2000. DOE transmitted to the Agencies on October 18, 2000
- Submitted the Project Specific Plan for Conducting Direct-Push Sampling in the Former Inactive Flyash Pile/South Field Area to DOE on October 11, 2000. DOE transmitted to the Agencies on October 12. Began field work the week of October 16
- Began trench excavating for ARASA Reroute project pipe placement on October 16
- Completed development of the control well for the aquifer pumping test in the Pilot Plant Drainage Ditch area on October 19, 2000

November 2000 (Anticipated)

- Enforceable Milestones
 - Submit the NPDES Discharge Monitoring Report to the OEPA
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Complete the aquifer pumping test in the Pilot Plant Drainage Ditch Area
 - Resume work on the Preliminary Design of the Waste Storage Area aquifer restoration module

WASTE MANAGEMENT

October 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Liquid Mixed Waste (Bulking) Project
 - Bulked a total of 385 containers into Batch 10
 - Continue preparation of bulking of Batch 11 waste
 - Neutralization/precipitation/Deactivation/Stabilization Project (NPDS)
 - Repackaging of NPDS thorium is in process
 - Assisting Waste Characterization in resolving uncharacterized treated inventory

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- Organic Treatment Project
 - Awaiting EPA discussions with Soil and Water project to include Fire Training Facility inventory of approximately 137 drums for possible disposal at the OSDF (the inventory of boxes was addressed and is considered complete)
- Thorium Legacy Waste Project (TLWP)
 - Completed the Standard Startup Review (SSR) for movement of hydrogen generating material in support of thorium shipments
 - Continued activities in preparation of thorium shipments
 - Performed one shipment to Nevada Test Site (NTS)
- Waste Minimization/Pollution Prevention
 - Revising oil recycling RFP and Sanitary Waste and Recycling contract

November 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Complete Shipping Compliance & Packaging Classification Requirements Document (SC&PCRD) for electrical waste
 - Revise unused, excessed chemicals contract
 - Liquid Mixed Waste (Bulking) Project
 - Complete bulking of Batch 10 as volume permits with TSCA
 - Complete Batch 10 sampling task order
 - Sample Batch 10
 - Initiate bulking of Batch 11 waste into southern consolidation tank
 - Continue development of task order to remove northern consolidation tank from bulking area
 - Organic Treatment Project
 - Finalize outstanding MEF issues for First Article Testing
 - Finalize absorbent determinations
 - Initiate sampling and analysis request and task order for Fire Training Facility soils
 - Thorium Legacy Waste Project
 - Begin development of expression of interest for Thorium treatment
 - Continue moving hydrogen generating material and RTRing, loading and shipping Thorium residues
 - Begin preparation for processing remaining Thorium inventory to be shipped
 - Wastewater Treatment Project
 - Continue AWWT waste treatment